

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/002754

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ G01N21/27, G01N17/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ G01N21/00-21/61, G01N17/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004
Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI/L, JICST FILE(JOIS); Web of Science

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y A	H. Sato et al.: "Induced Absorption Phenomena, Thermoluminescence and Colour Centres in KMgF_3 , BaLiF_3 and LiCaAlF_6 Complex Fluorides", Japanese Journal of Applied Physics, Vol.41, Part 1, No.4A, April 2002, pages 2028 to 2033; see section 2.2, 3.1; Fig. 1	1, 3-9, 11 2, 10 12-13
Y A	Shin'ichiro TOZAWA et al: "Kogaku Zairyo CaF_2 no Kaishitsu", Tohoku University Kinzoku Zairyo Kenkyusho Gijutsubu Gijutsu Kenkyu Hokoku, ISSN: 1341-3422, No.19, March 2001, pages 29 to 32; section 2, Par. Nos. [0001] to [0002]; section 3, last Paragraph; Figs. 1, 2, 5	2, 10 12-13

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search
06 April, 2004 (06.04.04)

Date of mailing of the international search report
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Name and mailing address of the ISA/
Japanese Patent Office

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	M. Brekhovskikh, et al.,: "Influence of fluoro-oxidizers on scintillation properties of fluoro-hafnate glass doped with Ce^{3+} ", Journal of Non-Crystalline Solids, Vol.277, Issue 1, November 2000, pages 68 to 71	1
P,A	H. Sato, et al.,: "Improvement in the quality of $LiCaAlF_6$ single crystal as window material", Optical Materials, Vol.24, Issues 1-2 (Proceedings of the Fifth French-Israeli Workshop on Optical Properties of Inorganic Materials: 08 December, 2002 (08.12.02) - 12 December, 2002 (12.12.02), October - November, 2003; pages 123 to 127	1